



Westinghouse Idaho  
Nuclear Company, Inc.

TAI-05-84

From : T. A. Ikenberry  
Phone : 6 - 4207  
Date : July 19, 1984  
Subject: Radiological Controls for the Decontamination of Low Level  
Waste Project Equipment

To : G. E. Bingham  
M. Cukurs  
L. M. Beesley

cc: D. R. Alexander                      K. R. Krivanek  
C. E. Clark DOE-ID                      M. B. Lemieux  
F. E. Hicks M-K                          J. H. O'Rear  
D. R. King M-K                          R. L. Skinner

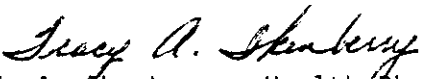
Reference: F. E. Hicks, Morrison-Knudsen Co., Inc., letter  
MK-84-E-580 to L. M. Beasley, WINCO, "Decontam-  
ination Procedure for the Low Level Waste  
Project Equipment" (July 13, 1984).

More stringent radiological controls than those submitted in the referenced letter are required to gain R&ES approval for the decontamination/cleaning operation. The following controls, incorporating M-K procedures and additional ones required by R&ES, will provide more acceptable environmental protection:

1. only equipment which has been directly used in the low level waste project (no other contaminated areas) will be cleaned in the soil disposal trench;
2. constant HP coverage will be required;
3. steam cleaning with water and approved cleaning agent ("Tide" detergent) will be permitted. Personnel will be required to wear protective clothing and respiratory protection while steam cleaning is in progress;
4. no other cleaning agents (organic solvents, acids, other detergents, etc.) will be permitted without prior approval of EM&ES;

G. E. Bingham  
M. Cukurs  
L. M. Beasley  
Page 2  
TAI-05-84  
July 19, 1984

5. sandblasting is not permitted unless a containment structure is built;
6. no steam cleaning may be done if the wind speed is greater than 25 mph;
7. cold soil will be placed in the trench prior to cleaning any equipment. After decontamination is complete, the area will be thoroughly surveyed by an HP. Any spots found to exceed the disposal limit of 30 mR/h will be removed and shipped to the RWMC. After it has been determined by the HP that no soil is contaminated to greater than 30 mR/h, a second cap of cold soil will be placed over the trench.

  
T. A. Kenberry, Health Physicist  
Effluent Monitoring/Environmental Sciences